

Color Video Camera

Operating Instructions
Mode d'emploi (voir verso)

CCD-Z7/CCD-Z7E

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English

WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

For the Customers in the U.S.A.

Owner's record

The model and serial numbers are located on the bottom. Record the serial number in the space provided below. Refer to these numbers whenever you call upon your Sony dealer regarding this product.

Model No. _____ Serial No. _____

For CCD-Z7 only

WARNING

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CAUTION

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

Note on TV color systems

The TV color systems differ from country to country.

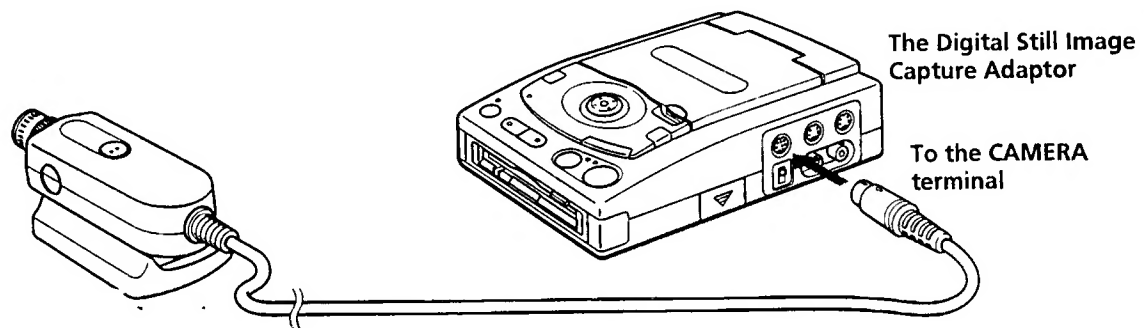
CCD-Z7 is an NTSC system Color Video Camera.

CCD-Z7E is a PAL system Color Video Camera.

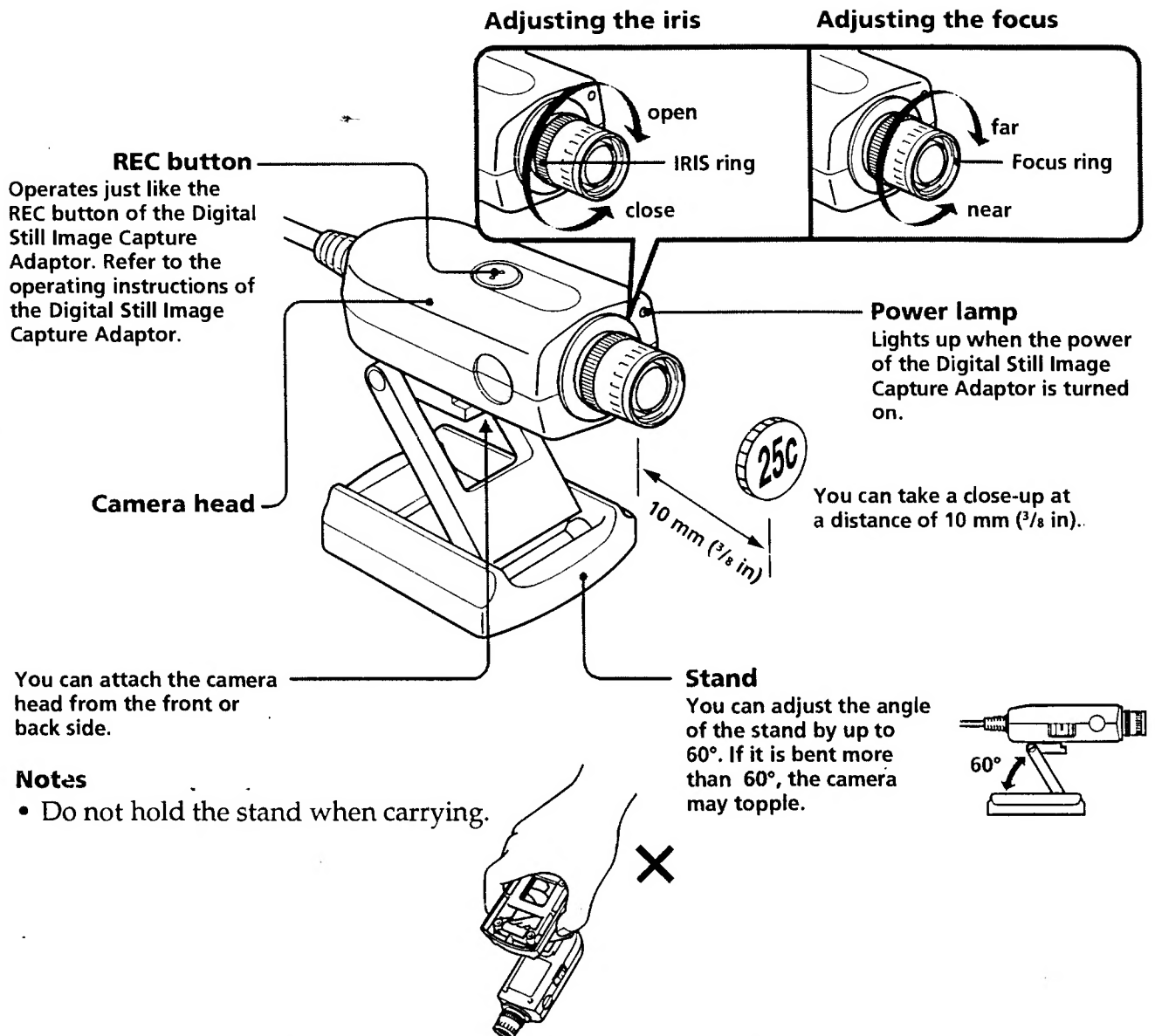
To view the playback picture on a TV, use the correct color system TV.

Connections

This video camera is designed exclusively for the Digital Still Image Capture Adaptor. When using the video camera, be sure to connect it to the CAMERA terminal as illustrated. Incorrect connection might cause the video camera or the capture adaptor to break down. Refer to the operating instructions of the Digital Still Image Capture Adaptor.



Using this Video Camera



- Do not apply too much force when changing the angle of the stand, or the camera head may come off.
- Do not apply too much force when turning the focus ring and the iris ring, or the camera may be damaged.

Precautions

- If a light source which exceeds the recommended illumination, such as bright sunlight, is used, the image may not be displayed clearly.
- Do not focus on a stationary or bright object for too long, or the CCD color filter may be damaged.
- Do not aim the lens toward the sun, or the CCD color filter may be damaged.
- If you record using a discharge lamp, such as fluorescent lamp, sodium lamp or mercury lamp, flickering may occur or the color may change.

Precaution on copyright

Television programs, pictures, magazines, and other materials may be copyrighted. Unauthorized recording or storing of such materials violates the provision of the copyright laws.

Maintenance

- Clean the lens with a blower brush to remove dust. Do not scrub the surface of the lens. If there are fingerprints on it, remove them with a soft cloth.
- Clean the Color Video Camera body with a dry soft cloth, or a soft cloth lightly moistened with a mild detergent solution.
- Do not use any type of solvent which may damage the finish.

Troubleshooting

| Symptom | Remedy |
|-------------------------------------------------------------------------|------------------------------------------|
| The picture does not appear on the Digital Still Image Capture Adaptor. | • Make sure the connections are correct. |

Specifications

System

| | |
|--------------------------|-----------------------------------------------------------------------------|
| Video signal | CCD-Z7: NTSC color, EIA standards CCD-Z7E: PAL color, CCIR standards |
| Image device | 1/4 inch color CCD (CCD-Z7: 270,000 pixels) (CCD-Z7E: 320,000 pixels) |
| Lens | f=3.9 mm, F1.8 |
| Macro | Approx. 10 mm (3/8 in) |
| Minimum illumination | 5 lux |
| Recommended illumination | 500 lux |
| White balance | Auto |
| Electronic shutter | CCD-Z7: 1/50 - 1/1000 CCD-Z7E: 1/60 - 1/1000 |
| Focus adjustment | Manual |
| IRIS | Manual |

General

| | |
|------------------------|-------------------------------------------------------------|
| Power requirements | DC 5 V |
| Power consumption | 1.3 W |
| Video/Audio output | 8-pin-mini DIN |
| Operating temperature | 0°C to 40°C (32°F to 104°F) |
| Storage temperature | -20°C to +60°C (-4°F to 140°F) |
| Dimensions (w × h × d) | Approx. 48.6 × 34.9 × 90 mm (1 15/16 × 1 3/8 × 3 3/8 in) |
| Mass | Approx. 120 g (4 oz) (including stand) |

Supplied accessory

Operating instructions (1)

Design and specifications are subject to change without notice.